



Issue No. 46

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Kudos

We welcome President Obama and the New Mexico Congressional delegation into office and wish them well. The incoming administration ushers in the promise of a brighter future for the nation and potential opportunities for Northern New Mexico, even as we face many challenges. As President Obama stated in his inauguration address:

We'll restore science to its rightful place, and wield technology's wonders. . . .

To help pursue his vision for the country, the president has selected Steven Chu, Nobel Prize-winning physicist and former director of Lawrence Berkeley National Laboratory, to lead the Department of Energy. Not only does Dr. Chu understand such issues as national security, renewable energy, and climate change, but he will be able to leverage the resources of the national laboratories, including Los Alamos, to work on a host of important issues facing the country. Although LANL is in a strong position to support emerging objectives, Director Michael Anastasio points out that we're not the only laboratory available to the new administration, so we must be competitive and flexible to prepare for new opportunities.

Regardless of potential shifts in our missions, we will build on our recent successes. For example:

- We'll use our new supercomputer to tackle massive calculations—climate and ocean modeling are just the beginning
- We'll develop further our MagViz system, which sorts out at airports ordinary liquids and gels from potential threats (Wouldn't it be nice to fly safely without having to empty so much out of your suitcase?)
- We'll continue superconductivity research and development, pursuing exponential improvements in energy transmission

The Community Programs Office is proud to support this work while we continue to find common ground between the Lab's missions and community needs. We do this through community giving (see below for a related article), economic development, and education support (see the articles on the Science Bowl and technology instruction also in this issue).

I'm looking forward to an exciting future for both Northern New Mexico and the Lab as we move forward with a new president, his administration, and our congressional delegation.

Kurt A. Steinman

\$260,000 Goes to Local Nonprofits

Los Alamos National Security, LLC, the Lab's managing entity, recently awarded more than a quarter million dollars in community grants to help local nonprofits fund special projects. The awards are part of LANS' annual \$3 million community commitment.

Of the 59 grants applications submitted for consideration by local nonprofits, 24 were granted dollar amounts between \$1,000 to \$25,000:

Santa Fe Community Services-Saturday in the Park

The Family YMCA-Community Health Expansion

Las Cumbres Community Services-Kitchen Project

Pojoaque Boys and Girls Club-Music Program

YouthWorks-You Get What You Grow

San Martin de Porres Soup Kitchen-Kitchen Renovation

Big Brothers Big Sisters of Northern New Mexico-Changing the Way Children Grow up in Northern New Mexico:
Creating Longer and Stronger Mentoring Matches

Los Alamos Family Council, Inc.-Youth Activity Centers-Starting off on the Right Foot for the Next 25 Years of the
Youth Activity Centers

Friends Forever Foundation-Medical Supplies to Prolong the Lives of Critically Ill Children in Six Northern
New Mexico Counties

Santa Fe Recovery Center-2009 Santa Fe Recovery Center Physical Fitness Project

Challenge New Mexico-Ski, Snowboard, and Mountain Bike Program

Northern New Mexico College Foundation-Tribal Pathways to College Success Proposal

ECHO Kids-Enchanted Circle Health Outreach for Kids

The Crisis Center of Northern New Mexico-Community Outreach and Education

Soldiers' Angels New Mexico-NM Soldiers' Angels supporting NM Soldiers

Pajarito Mountain Ski Patrol-Patrol Education and Young Adult Training

Kindred Spirits Animal Sanctuary-KSAS Donation Shed

Men Engaged in Nonviolence, Inc.-Taos Men Engaged in Nonviolence Activities Program and
Support Groups Program

Los Alamos Juvenile Justice Advisory Board-2009 JUNTOS Youth Summit

Los Alamos Historical Society-Save Our History

The Santa Fe Raptor Center-Learning About Raptors

Carlsbad Community Anti-Drug/Gang Coalition-Drug Awareness Program for Carlsbad

Pajarito Environmental Education Center-Renewable Energy Demonstration Project

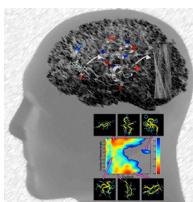
Family Stengths Network-Car Seat Safety Clinic

For more information on the Community Grant Program, contact Mariann Johnston or Vangie Trujillo with the Community Programs Office at 505-665-4400 or community@lanl.gov via e-mail.

Science Talk on Bio Proteins and Alzheimer's

On Tuesday, February 17, at 7 p.m. at the Santa Fe Complex at 635 Agua Fria Street in Santa Fe, Dr. Gnanakaran of LANL's Theoretical Division will present: "Proteins Behaving Badly: Misfolding and Alzheimer's Disease."

The talk will focus on how protein folding is measured and predicted and how a particular type of misfolding contributes to over 20 debilitating diseases, most notably Alzheimer's. The talk is free and open to the public. For more information, visit the Q-Bio Seminar Series web pages at http://cnls.lanl.gov/q-bio/seminar-series/index.php/Public_Lectures.



Local Students Participate in Northern New Mexico Science Bowl



Elementary and middle-school students and their teachers from as far as El Rito and Penasco traveled to Albuquerque on January 17 to participate in the Northern New Mexico Science Bowl. Other area schools that participated included James Rodriguez Elementary (Española), E. J. Martinez (Santa Fe), and Los Alamos

Middle School. It is hoped in future even more area schools will participate in the competition.

Los Alamos Middle School took first place last year and fought hard to keep it, but in the end the team from Albuquerque Academy won the competition, with Los Alamos finishing fourth. An additional Albuquerque Academy team took second place.

The Science Bowl is a Department of Energy initiative and is locally sponsored by LANL and Sandia National Laboratories. The winning team has earned an all-expense paid trip to the National Competition in Washington D.C. later this year.

For more information about this and other educational opportunities, contact Janelle Vigil-Maestas at 505-665-4329 or vigil-m@lanl.gov through e-mail.

Scholarships Available for New Applied Science Degree

Beginning this Spring, the University of New Mexico-Los Alamos will offer a new Associates of Applied Science in Applied Technologies with three concentration areas: Electro-mechanical Technology, Manufacturing

Technology, and Nanotechnology.



In concert with this program, the Department of Energy/National Nuclear Security Administration's Office of Diversity Programs is offering a number of scholarships for

Native Americans that will be available this fall.

To qualify for the Native American Scholarship Program, applicants should be current Native American High School seniors in Northern New Mexico, or have graduated within the past two years. Candidates should also have a 2.5 cumulative grade-point average or higher (exceptions may be considered on a case-by-case basis), test into college math or be willing to enroll in the UNM-LA Summer Bridge Program. The scholarship application deadline is April 17.

For more information on the degree program, please contact Irina Alvestad, the Programs Coordinator with UNM-LA at 505-662-5919, extension 679 or irina@unm.edu through e-mail.

To learn more about the Native American Scholarship Program, please contact Barbara Tenorio-Grimes at 505-665- 5121, 888-691-0657 (toll free) or bgrimes@lanl.gov through e-mail.

Los Alamos Report Hot Off The Presses

Each Friday, the Lab compiles links to news stories that mention the Lab. The sources referenced range from the *Los Alamos Monitor* to *Nanotechnology Now*. Some sources even include videos and references in fictional stories (such as a recent episode of the ABC series *Eli Stone*). To check out the latest collection of stories, go to <http://www.lareport.blogspot.com>. Alternatively, go to listmanager@lanl.gov and put "subscribe losalamosreport" in the body of the e-mail to have the news stories collections automatically delivered to your e-mail address each week.

Calendar

Feb. 6	Business	Santa Fe Chamber of Commerce Business Over Breakfast http://santafermccoc.weblinkconnect.com/CWT/EXTERNAL/WCPAGES/WCEvents/EventDetail.aspx?EventID=222
Feb. 11	Environment	Community Radiation Monitoring Group Northern New Mexico Community Advisory Board Special Meeting http://lanl.gov/environment/calendar/detail/m0902.htm
Feb. 12	Business	Improving Your Leadership and Management Skills (Los Alamos) http://www.chamberorganizer.com/Calendar/moreinfo.php?eventid=18015
Feb. 12	Environment	Upper Los Alamos Canyon Project http://lanl.gov/environment/calendar/detail/m0902.htm
Feb. 18	Environment	Northern New Mexico Community Advisory Board Combined Committees Meeting http://lanl.gov/environment/calendar/detail/m0902.htm
Feb. 19	Environment	Upper Los Alamos Canyon Project http://lanl.gov/environment/calendar/detail/m0902.htm
Feb. 21	Education	Northern New Mexico Competition for MathCounts http://mathcounts.org/Page.aspx?pid=294
Feb. 26	Environment	Upper Los Alamos Canyon Project http://lanl.gov/environment/calendar/detail/m0902.htm
Feb. 26-27	Education	NM Higher Education Assessment and Retention Conference http://www.nmsu.edu/NMHEAR/
Feb. 28	Education	Northern New Mexico Science Bowl for High School Students http://dev-g.lanl.gov/source/orgs/cpo/education_programs/programs_partnerships.shtml

Kudos



• Four companies are recipients of funding awards from Los Alamos National Security, LLC's Venture Acceleration Fund:

- Retriever Tech (<http://www.retrievevertch.com>)
- Elemetric Instruments (<http://www.elemetricinstruments.com>)
- Star Cryoelectronics (<http://www.starcryo.com>)
- Veezyon (<http://veezyon.com>)

• Omar Juveland (CPO-OFF), Judith Machen, and Jim Liljenwall (both in IRM-CAS) for a Distinguished Technical Communication Award in the Display Category from the Society for Technical Communications for The Bradbury Science Museum History Wall Exhibit, 1932-1945

• Former Lab Director Sig Hecker (currently a research professor of management science and engineering and senior fellow at the Freeman Spogli Institute for International Studies at Stanford University) was recently awarded the Los Alamos Medal. The highest recognition given by the Lab, Hecker was recognized for expertise in the science of plutonium and for his leadership (http://news-service.stanford.edu/news/2009/january21/pp1_acm-012109.html).

Contact Information

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